

**WHAT IS CLAIMED IS:**

1. A method for displaying reception sensitivity on a display screen of a multi-functional mobile terminal with at least two communication functions, comprising the steps of:
  - 5 a) checking a reception sensitivity of a reception signal for a prescribed communication function among the communication functions, and displaying a reception sensitivity indicator for indicating the reception sensitivity of the prescribed communication function on the display screen; and
  - b) if an operation mode of a communication function other than the prescribed
    - 10 communication function is enabled, checking reception sensitivity of a reception signal for the communication function corresponding to the enabled operation mode, and displaying a reception sensitivity indicator for indicating the reception sensitivity of the communication function corresponding to the enabled operation mode on the display screen.
- 15 2. The method as set forth in claim 1, further comprising the step of:
  - if the enabled operation mode is terminated, returning to the step (a) of displaying the reception sensitivity indicator of the prescribed communication function.
3. A method for displaying reception sensitivity on a display screen of a multi-functional mobile terminal having a mobile communication function for establishing
  - 20 mobile communication over a mobile telecommunication network and a GPS (Global Positioning System) reception function for receiving a GPS signal from a GPS satellite, comprising the steps of:
    - a) checking a reception sensitivity of a signal received from the mobile telecommunication network, and displaying a mobile communication reception sensitivity

indicator for indicating a mobile communication reception sensitivity on the display screen;  
and

- b) if a GPS mode is enabled, checking a reception sensitivity of the GPS signal,  
and displaying a GPS reception sensitivity indicator for indicating the GPS reception  
5 sensitivity on the display screen.

4. The method as set forth in claim 3, wherein the multi-functional mobile  
terminal further having a Bluetooth communication function for executing Bluetooth  
communication, further comprises the steps of:

- c) if a Bluetooth mode is enabled, checking a reception sensitivity of a reception  
10 signal for the Bluetooth communication, and displaying a Bluetooth reception sensitivity  
indicator for indicating the Bluetooth reception sensitivity on the display screen.

5. The method as set forth in claim 3, wherein the GPS reception sensitivity  
indicator displays a reception sensitivity level corresponding to a number of GPS satellites  
found by the GPS signal.

- 15 6. The method as set forth in claim 4, further comprising the steps of:  
returning to the step (a) of displaying the mobile communication reception  
sensitivity indicator after the GPS mode has been terminated; and  
returning to the step (a) of displaying the mobile communication reception  
sensitivity indicator after the Bluetooth mode has been terminated.

- 20 7. A method for displaying reception sensitivity on a display screen of a  
multi-functional mobile terminal with at least two communication functions, comprising  
the steps of:

a) checking a reception sensitivity of a reception signal for a prescribed communication function among the communication functions, and displaying a reception sensitivity indicator for indicating the reception sensitivity of the prescribed communication function on the display screen; and

- 5           b) upon receiving a user request to change the reception sensitivity indicator, checking a reception sensitivity of a reception signal for a communication function other than the prescribed communication function among the communication functions, and displaying a reception sensitivity indicator for indicating the reception sensitivity of the other communication function on the display screen.

- 10           8.       The method as set forth in claim 7, further comprising the step of:  
              returning to the step (a) of displaying the reception sensitivity indicator of the prescribed communication function when a predetermined time has elapsed after the reception sensitivity indicator of the other communication function has been displayed.

9.       The method as set forth in claim 7, further comprising the step of:  
15           if a user request to change the reception sensitivity indicator of the other communication function while displaying the reception sensitivity indicator of the other communication function, returning to the step (a) of displaying the reception sensitivity indicator of the prescribed communication function.

10.     A method for displaying reception sensitivity on a display screen of a  
20           multi-functional mobile terminal having a mobile communication function for establishing mobile communication over a mobile telecommunication network and a GPS (Global Positioning System) reception function for receiving a GPS signal from at least one GPS satellite, comprising the steps of:

a) checking a reception sensitivity of a signal received from the mobile telecommunication network, and displaying a mobile communication reception sensitivity indicator for indicating the mobile communication reception sensitivity on the display screen; and

5           b) upon receiving a user request to change the reception sensitivity indicator while displaying the mobile communication reception sensitivity indicator, checking reception sensitivity of the GPS signal, and displaying a GPS a reception sensitivity indicator for indicating the GPS reception sensitivity on the display screen.

11.       The method as set forth in claim 10, wherein the multi-functional mobile  
10   terminal further having a Bluetooth communication function for executing Bluetooth communication, said method further comprising the steps of:

          c) upon receiving a user request to change the reception sensitivity indicator while displaying the GPS reception sensitivity indicator, checking a reception sensitivity of a reception signal for the Bluetooth communication, and displaying a Bluetooth reception  
15   sensitivity indicator for indicating the Bluetooth reception sensitivity on the display screen.

12.       The method as set forth in claim 10, wherein the GPS reception sensitivity indicator displays a reception sensitivity level corresponding to a number of GPS satellites found by the GPS signal.

13.       The method as set forth in claim 11, further comprising the step of:  
20       returning to the step (a) of displaying the mobile communication reception sensitivity indicator when a prescribed time has elapsed after the Bluetooth reception sensitivity indicator has been displayed.

14.       The method as set forth in claim 10, further comprising the step of:

returning to the step (a) of displaying the mobile communication reception sensitivity indicator when a prescribed time has elapsed after the GPS reception sensitivity indicator has been displayed.

15. The method as set forth in claim 11, further comprising the step of:

- 5       upon receiving a user request to change the reception sensitivity indicator while displaying the Bluetooth reception sensitivity indicator, returning to the step (a) of displaying the mobile communication reception sensitivity indicator.